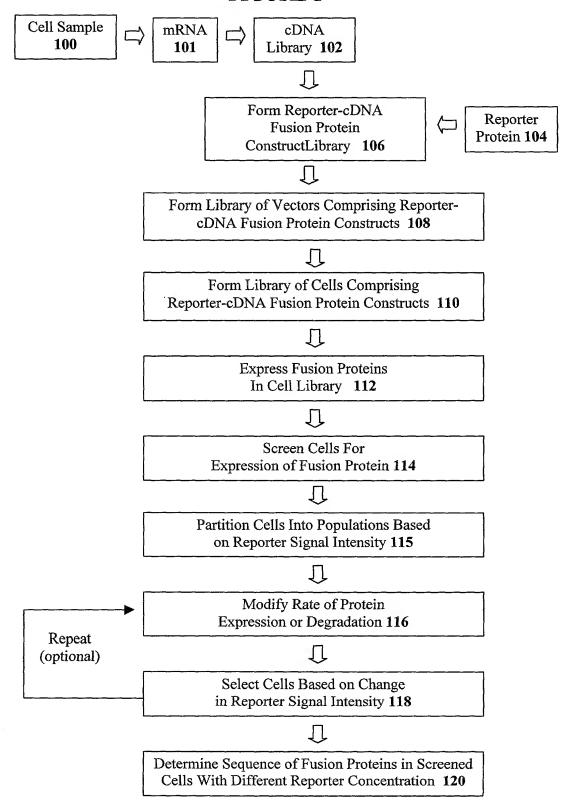
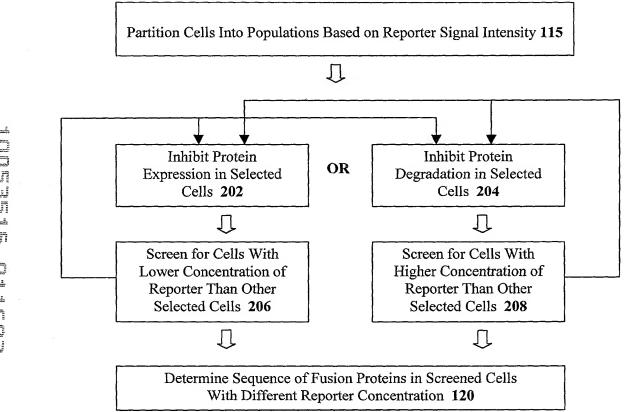
5

#### FIGURE 1

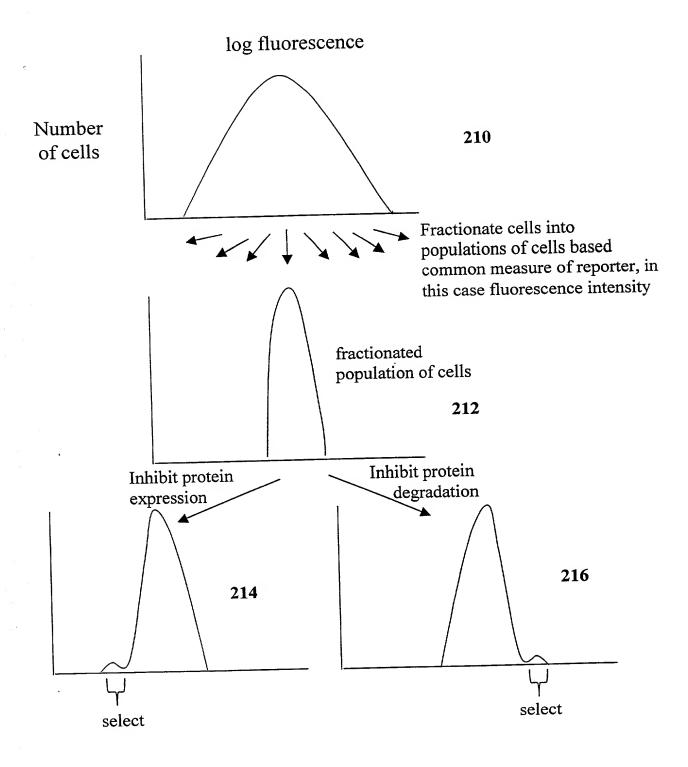


\*

### FIGURE 2A



## FIGURE 2B



### FIGURE 3

Form Library of Cells Comprising Reporter-cDNA Fusion Protein Constructs 110 I **Express Fusion Proteins** In Cell Library 112  $\Box$ Screen Cells For Expression of Fusion Protein 114 Partition Cells Into Populations Based on Reporter Signal Intensity 115  $\mathbb O$ Population Population **Population** Population Population 308  $\Box$ Expose Expose Expose Population Population Population To First To Second To Third Condition 310C Condition 310A Condition 310B  $\Box$  $\Omega$  $\Box$ Select Cells Select Cells Select Cells Expressing Expressing Expressing Short-lived Short-lived Short-lived Proteins 312A Proteins 312B Proteins 312C  $\Box$  $\Box$ D Compare Short-lived Proteins Expressed By Select Cells 314

# FIGURE 4

|   |              |                     | ſ             |   |
|---|--------------|---------------------|---------------|---|
| Normal Cell Sample 400A   |              |                     |               | Diseased Cell Sample 400B   |
| Û   |              |                     | _             | Û   |
| Form mRNA 402A  |              |                     |               | Form mRNA 402B  |
| $\Box$  |              |                     |               | $\Box$  |
| Form cDNA Library 404A  |              |                     |               | Form cDNA Library 404B  |
| Û   |              |                     |               | Û   |
| Form Reporter-cDNA Fusion Protein ConstructLibrary 406A                           | $\leftarrow$ | Reporter<br>Protein | ightharpoonup | Form Reporter-cDNA Fusion Protein ConstructLibrary 406B                         |
| Û   | <b>L</b>     |                     | •             | Û   |
| Form Library of Vectors Comprising Reporter- cDNA Fusion Protein Constructs 408A  |              |                     |               | Form Library of Vectors Comprising Reporter-cDNA Fusion Protein Constructs 408B |
| Û   |              |                     |               | Ū   |
| Form Library of Cells Comprising Reporter-cDNA Fusion Protein Constructs 410A     |              |                     |               | Form Library of Cells Comprising Reporter-cDNA Fusion Protein Constructs 410B   |
| $\Box$  | _            |                     |               | $\Box$  |
| Identify Short-lived Fusion<br>Proteins Expressed by Cells                        |              |                     |               | Identify Short-lived Fusion<br>Proteins Expressed by Cells                      |
| 412A  | J            |                     |               | Û   |
| Compare Short-Loved Proteins Identified From Normal and Diseased Cell Samples 414 |              |                     |               |   |